



Cable: #14AWG red,black,white,corresponding to U, V, W  
 Wire length 250mm  
 Temperature control wire: #26AWG, yellow and green wires, length: 250mm  
 Temperature Coefficient Thermistor: CA-NTC24C018

Model	U7623
DC voltage (VDC)	48
Rated output (W)	392.7
Rated torque (N.m)	1.25
Rated current(A)	10.5
Rated speed (rpm)	3000
Maximum speed (rpm)	4500
Instant max torque (N.m)	3.75
Instant max current (A)	31.5
Coil resistance (ohms@20°C)	0.22
Coil inductance (mH)	0.24
Torque parameters (Nm/A)	0.119
Back EMF coefficient (Vrms/KRPM)	7.5
Number of pole-pairs (2P)	10
Rotor inertia (Kg.cm <sup>2</sup> )	0.675
Winding connection way	Y
Weight (g)	350
Motor Temperature Rise (k)	85k
Cogging Torque (mN.m)	40(REF.)

								<b>MOSRAC</b> 强和电机			
								Drawing Sign	Version	V1.0	U7623 Frameless Torque Motor
Marker	Place number	Drawing Zone	Rev. No.	Signature	Month-Day-Year			Weight		WI-YF-U7623DJA01	
Designer	LZB	2025/11/7	Unification					Scale		Qianghe Motor R&D Department	
Checker			Process Engineer								
Technical	CMH	2025/11/7	Approval					Sheet of		Perspective	